

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-21. (canceled)

22. (new) An information record medium on which there are recorded:

a plurality of content informations; and

a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the plurality of content informations, wherein among the plurality of content informations, a plurality of content informations, whose reproduction sequences are defined by the plurality of play list informations in a same play list set, are different from each other in reproduction functions required for an information reproduction system to reproduce the plurality of content informations and are adapted to at least partially construct titles, each of which is a logically united information unit and which are same to each other.

23. (new) The information record medium according to claim 22, wherein

required function information indicating the

reproduction function is further recorded for each of the plurality of play list informations.

24. (new) The information record medium according to claim 23, wherein

the plurality of content informations include video information and audio information, and the reproduction function is a video reproduction performance and an audio reproduction performance required for the information reproduction system.

25. (new) The information record medium according to claim 24, wherein

the required function information is of information, which indicates the video reproduction performance and the audio reproduction performance and is recorded for each of the plurality of play list informations.

26. (new) The information record medium according to claim 25, wherein priority information indicating which of the video reproduction performance and the audio reproduction performance is to be prioritized is further recorded.

27. (new) The information record medium according to claim 24, wherein

the required function information comprises a required function information table in which information indicating whether or not different video reproduction performances are required for each of predetermined ranks and information indicating whether or not different audio reproduction performances are required for each of predetermined ranks are arranged vertically and horizontally as a matrix.

28. (new) The information record medium according to claim 27, wherein

priority information indicating a priority among various combinations of said video reproduction performances different for each of said predetermined ranks and said audio reproduction performances different for each of said predetermined ranks is further recorded.

29. (new) The information record medium according to claim 22, wherein

each of the play list informations includes pointer information designating item information, which is a logically accessible reproduction unit and composes the content information.

30. (new) The information record medium according to claim 22, wherein

title information designating at least one play list set

from among the plurality of play list sets, which corresponds to the content information to be reproduced, is further recorded to reproduce the plurality of content informations as the title.

31. (new) The information record medium according to claim 30, wherein

the title information includes pointer information designating at least one play list set, which corresponds to the content information to be reproduced.

32. (new) The information record medium according to claim 22, wherein

a whole stream including a plurality of partial streams made of the plurality of content informations is multiplexed by a packet unit which is a physically accessible unit and stores pieces of the plurality of content informations, and

relationship definition information defining a relationship between packets to be multiplexed and the plurality of partial streams is further recorded, as reproduction control information to control a reproduction of the plurality of content informations.

33. (new) An information record apparatus comprising:

a first record device for recording a plurality of content informations; and

a second record device for recording a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the plurality of content informations, wherein

among the plurality of content information a plurality of content informations, whose reproduction sequences are defined by the plurality of play list informations in a same play list set, are different from each other in reproduction functions required for an information reproduction system to reproduce the plurality of content informations and are adapted to at least partially construct titles, each of which is a logically united information unit and which are same to each other.

34. (new) The information record apparatus according to claim 33, wherein said apparatus further comprises a third record device for further recording required function information indicating the reproduction function for each of the plurality of play list informations.

35. (new) An information record method comprising:

a first record process of recording a plurality of content informations; and

a second record process of recording a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the plurality of content

informations, wherein

among the plurality of content information a plurality of content informations, whose reproduction sequences are defined by the plurality of play list informations in a same play list set, are different from each other in reproduction functions required for an information reproduction system to reproduce the plurality of content informations and are adapted to at least partially construct titles, each of which is a logically united information unit and which are same to each other.

36. (new) The information record method according to claim 35, wherein said method further comprises a third record process of further recording required function information indicating the reproduction function for each of the plurality of play list informations.

37. (new) An information reproduction apparatus for reproducing the information record medium according to claim 22, said apparatus comprising:

a reproduction device capable of reproducing the plurality of content informations and the plurality of play list sets; and

a control device for selecting one play list information defining the reproduction sequence of the content information reproducible by the information reproduction apparatus, from among

the plurality of play list informations included in the same play list set on the basis of reproduction function of the information reproduction apparatus, and controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by the selected play list information.

38. (new) The information reproduction apparatus according to claim 37, wherein

the plurality of content informations include video information and audio information, and

the reproduction function is a video reproduction performance and an audio reproduction performance required for the information reproduction system.

39. (new) An information reproduction apparatus for reproducing the information record medium according to claim 23, said apparatus comprising:

a reproduction device capable of reproducing the plurality of content informations, the plurality of play list sets and the required function information; and

a control device for selecting one play list information defining the reproduction sequence of the content information reproducible by the information reproduction apparatus, from among the plurality of play list informations included in the same play

list set by comparing (i) the reproduction function indicated by the required function information reproduced by the reproduction device with (ii) reproduction function of the information reproduction apparatus indicated by a set function information set for the information reproduction apparatus, and controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by the selected play list information.

40. (new) The information reproduction apparatus according to claim 39, wherein

the plurality of content informations includes video information and audio information,

the reproduction function is a video reproduction performance and an audio reproduction performance required for the information reproduction system,

the required function information is of information indicating the video reproduction performance and the audio reproduction performance recorded for each of the plurality of play list informations,

the set function information indicates the video reproduction performance and the audio reproduction performance of the information reproduction apparatus, and

the set function information includes information indicating whether or not the information reproduction apparatus



has different video reproduction performances for each of predetermined ranks and information indicating whether or not the information reproduction apparatus has different audio reproduction performances for each of predetermined ranks.

41. (new) An information reproduction apparatus for reproducing the information record medium according to claim 26, said apparatus comprising:

a reproduction device capable of reproducing the plurality of content informations, the plurality of play list sets and the required function information; and

a control device for selecting one play list information defining the reproduction sequence of the content information reproducible by the information reproduction apparatus, from among the plurality of play list informations included in the same play list set by comparing (i) the video reproduction function and the audio reproduction function indicated by the required function information reproduced by the reproduction device with (ii) video reproduction function and audio reproduction function of the information reproduction apparatus indicated by a set function information set for the information reproduction apparatus, and controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by the selected play list information, wherein

the control device selects one play list information

corresponding to the video reproduction performance or the audio reproduction performance prioritized in accordance with the priority information, from among the plurality of play list informations included in the same play list.

42. (new) An information reproduction method of reproducing the information record medium according to claim 22, said method implemented with an information reproduction apparatus comprising a reproduction device capable of reproducing the plurality of content informations and the plurality of play list sets, said method comprising:

a first control process of selecting one play list information defining the reproduction sequence of the content information reproducible by the information reproduction apparatus, from among the plurality of play list informations included in the same play list set on the basis of reproduction function of the information reproduction apparatus, and

a second controlling process of controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by the selected play list information.

43. (new) A computer program for a record control to control a computer disposed at the information record apparatus according to claim 33, said program making the computer function

as at least a part of the first record device and the second record device.

44. (new) A computer program for a reproduction control to control a computer disposed at the information reproduction apparatus according to claim 37, said program making the computer function as at least a part of the reproduction device and the control device.

45. (new) A data structure including a control signal, said structure comprising:

a plurality of content informations; and

a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the plurality of content informations, wherein among the plurality of content informations, a plurality of content informations, whose reproduction sequences are defined by the plurality of play list informations in a same play list set, are different from each other in reproduction functions required for an information reproduction system to reproduce the plurality of content informations and are adapted to at least partially construct titles, each of which is a logically united information unit and which are same to each other.